

# U.S. Industry Delegation

59<sup>th</sup> IAEA General Conference  
September 13-16, 2015 in Vienna, Austria



## ***Advanced Reactor Concepts, LLC (ARC)***

[www.arcnuclear.com](http://www.arcnuclear.com)

Advanced Reactor Concepts (ARC) seeks to commercialize the ARC-100, an SMR of 100 Mwe with a 20+ year refueling cycle. The ARC-100 employs a sodium-cooled, metal-fueled fast reactor technology derived from the EBR II program, which ran successfully for 30 years. The ARC reactor is safe, clean, affordable and proliferation-resistant, and also solves the problem of nuclear waste.

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## ***AECOM***

<http://www.aecom.com>

AECOM is a professional and technical services firm positioned to design, build, finance, and operate infrastructure assets around the world for public- and private-sector clients. In the commercial nuclear power industry, AECOM delivers customized technical and program support for plant design and construction, operating services, outage management, modifications, power uprate, license renewal, steam generator and reactor vessel head replacement, and D&D.

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## ***Argonne National Laboratory***

[www.anl.gov](http://www.anl.gov)

Argonne National Laboratory conducts leading-edge basic and applied research in virtually every scientific discipline. Argonne researchers work closely with scientists and engineers from hundreds of companies, universities, and federal, state, and municipal government agencies to help solve specific problems and address the United States' challenges in sustainable energy, a clean environment, and national security.

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## ***ASME***

[www.asme.org](http://www.asme.org)

ASME serves diverse global communities by providing locally relevant codes and standards, conformity assessment programs, training, and technical events to positively impact public safety and quality of life throughout the globe. With over 5,000 volunteer engineers developing standards, and 10,000 technical professionals trained annually, ASME provides a foundation for advancing technical knowledge and a safer world.

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## ***BWX Technologies, Inc.***

[www.babcock.com](http://www.babcock.com)

BWXT provides engineering services, precision manufactured components and maintenance solutions for the commercial nuclear market. The company is also a leading supplier of

nuclear components and fuel to the U.S. government, and provides technical management and site services to support governments in the operation of complex facilities and environmental remediation activities.

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#### **CB&I**

[www.cbi.com](http://www.cbi.com)

CB&I is the most complete energy infrastructure focused company in the world. Drawing upon more than 125 years of experience, and the expertise of approximately 54,000 employees, CB&I provides reliable solutions while maintaining a relentless focus on safety and an uncompromising standard of quality.

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#### **CB&I Project Services Group (CPSG)**

<http://www.moxproject.com/>

CB&I Project Services Group is the prime construction contractor for the design, construction, and startup of NNSA's Mixed Oxide Fuel Fabrication Facility. This facility will take surplus weapon-grade plutonium, remove impurities, and mix it with uranium oxide to form MOX fuel pellets for reactor fuel assemblies which will be irradiated in commercial nuclear power reactors.

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#### **Centrus Energy Corporation**

[www.centrusenergy.com](http://www.centrusenergy.com)

Centrus Energy Corp. is a trusted supplier of enriched uranium fuel for commercial nuclear power plants in the United States and around the world.

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#### **CH2M HILL**

[www.ch2m.com](http://www.ch2m.com)

With more than 25,000 employees worldwide, CH2M is a global leader in program management, engineering, procurement, construction, management, and operations for government, civil and industrial clients. CH2M specializes in managing and operating nuclear facilities, and provides innovative clean-up and environmental remediation for complex nuclear projects around the world.

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#### **Curtiss-Wright**

<http://curtisswright.com>

Curtiss-Wright's history dates back to the Wright Brother's first flight in 1903. Today, we are a globally diversified industrial company with a Nuclear Division that has been providing unmatched knowledge, experience and technical superiority to the worldwide nuclear power industry for over 60 years. Curtiss-Wright's comprehensive range of products and services increase nuclear plant safety, reliability, and operating performance.

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***Electric Power Research Institute (EPRI)***

<http://epri.com>

EPRI conducts research, development, and demonstration relating to the generation, delivery, and use of electricity for the benefit of the public. As a nonprofit organization, EPRI brings together scientists and engineers as well as experts from academia and the industry to help address challenges in electricity, spanning nearly every area of electricity generation, to provide both short- and long-term solutions in these research areas.

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***EXCEL Services Corporation***

[www.excelservices.com](http://www.excelservices.com)

Excel Services Corporation specializes in providing operations, engineering, technical, safety and regulatory services for energy and environmental projects worldwide. These services include: License Renewal, Power Uprate, 24 Month Cycle Extensions, ITS Upgrades and Conversions, QA Solutions, Training, Decommissioning, Instrumentation and Control Projects, Cyber Security Solutions, New Plant Full Scope Planning, Project Management and all aspects of Licensing and Permitting.

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***Exelon Nuclear Partners***

[www.exelonnuclearpartners.com](http://www.exelonnuclearpartners.com)

Exelon, one of the largest competitive U.S. power generators, does business in 48 states, the District of Columbia, and Canada. With more than 32,000 megawatts of owned capacity comprising one of the nation's cleanest and lowest-cost power generation fleets, Exelon maximizes the potential of energy to create a brighter, more sustainable future for their customers, employees, investors and communities.

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***GE Hitachi Nuclear Energy***

[www.ge.com/nuclear](http://www.ge.com/nuclear)

GE Hitachi Nuclear Energy (GEH) is a world-leading provider of advanced reactor technology, nuclear fuel and services. GEH is a global nuclear alliance created by GE and Hitachi to serve the global nuclear industry. The alliance offers customers around the world the technological leadership required to effectively enhance reactor performance, power output and safety.

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***HALO Maritime Defense Systems***

[www.halodefense.com](http://www.halodefense.com)

HALO Maritime Defense Systems offers the HALO™ MARITIME SEA BARRIER a proprietary solution to secure critical assets vulnerable to boat or diver attacks. In a security-conscious world, both government and private assets have a real, immediate, and critical need for high levels of protection that is currently unfulfilled.

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**JENSEN HUGHES**

[www.jensenhughes.com](http://www.jensenhughes.com)

JENSEN HUGHES is an industry leader in nuclear safety specializing in probabilistic risk assessment, risk-informed regulation, fire protection, fire modeling, assessment of internal and external hazards, regulatory affairs and licensing, accident analysis, license extension, and electrical engineering. With a deep understanding of the nuclear facility lifecycles, the company's engineers, consultants, and scientists work with the understood goal of protecting people, properties, and assets.

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**Lockheed Martin Corporation**

[www.lockheedmartin.com](http://www.lockheedmartin.com)

Lockheed Martin is a global security and aerospace company that is principally engaged in the development, systems integration, and production of nuclear safety-critical systems for naval and commercial nuclear power plant customers. As a global security, aerospace, and information technology company, the majority of Lockheed Martin's business is with the U.S. Department of Defense and other U.S. Federal Government agencies.

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**Morgan, Lewis & Bockius LLP**

[www.morganlewis.com](http://www.morganlewis.com)

Morgan Lewis is an international law firm with the largest nuclear legal practice of its kind, providing a full scope of services for its clients, with a particular emphasis on regulatory issues involving safety, security and safeguards, and financial assurance. In the international market, they represent lead applicants for new nuclear projects in countries with established regulatory programs and assist emerging countries to develop such programs.

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**Nuclear Energy Institute (NEI)**

[www.nei.org](http://www.nei.org)

The Nuclear Energy Institute (NEI) is the primary policy organization for the commercial nuclear energy industry in the United States. NEI has more than 350 members, including all companies licensed to operate US NPPs, designers, major A/E firms, fuel cycle facilities, material licensees and others. NEI's objective is to ensure the formulation of policies that promote the beneficial uses of nuclear energy and technologies globally.

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**Nuclear Power Institute (NPI)**

[www.nuclearpowerinstitute.org](http://www.nuclearpowerinstitute.org)

The Nuclear Power Institute (NPI) focuses on human resource development for the nuclear industry. NPI's partnership with universities and community colleges is to develop academic and other programs for nuclear energy human resource development through customized training for newcomer countries. NPI also develops tailored training programs for countries interested in pursuing a nuclear energy program.

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***Nucsafe Inc.***

<http://www.nucsafe.com>

Nucsafe designs and manufactures radiation measurement systems including handheld, man-portable, mobile, aerial and stationary portal based radiation detection systems for border security, for nuclear power plants and for the steel industry. Nucsafe also designs and manufactures the highest resolution X-ray backscatter imaging systems for industry and security applications. Nucsafe, founded in 1999, is located in Oak Ridge, Tennessee.

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***NUMARK Associates, Inc.***

[www.numarkassoc.com](http://www.numarkassoc.com)

NUMARK serves as an international Technical Support Organization (TSO) in the nuclear safety arena, providing a wide range of scientific/engineering expertise and assistance to the USNRC and other national nuclear safety authorities as well as industry worldwide. NUMARK provides safety and environmental evaluations for new reactor licensing; regulatory infrastructure development; regulatory training; and licensing integration services.

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***NuScale Power, LLC***

<http://www.nuscalepower.com>

NuScale is developing a 50 MWe small modular reactor and 600MW (12 x5 0MW) nuclear plant for global markets. By using simplified, passive technology, NuScale's design reduces complexity and risk, while enhancing operability and improving safety. Initial deployment will be in the U.S. by 2025 and rapidly expanding thereafter.

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***Oak Ridge National Laboratory***

[www.ornl.gov](http://www.ornl.gov)

Oak Ridge National Laboratory is DOE's largest multi-program science and energy laboratory, with scientific and technical capabilities spanning the continuum from basic to applied research, delivering practical solutions to real-world problems. These resources enable the lab to tackle an exceptionally wide range of R&D assignments, from fundamental nuclear physics to applied R&D on advanced energy systems.

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***Pillsbury Winthrop Shaw Pittman LLP***

[www.pillsburylaw.com](http://www.pillsburylaw.com)

Pillsbury law firm, based in the world's major financial, technology, and energy centers, provides legal consulting and strategy for U.S. and international clients. The firm's specific focus includes legislation, regulatory development, financing, vendor selection, and decommissioning. Pillsbury makes a significant and sustained investment in monitoring, and helping to shape, the industries in which their clients compete.

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**Potomac Communications Group, Inc.**

[www.pcgpr.com](http://www.pcgpr.com)

Potomac Communications Group (PCG) provides public relations, communications, and public education programs to companies and nations that are developing new nuclear energy programs or operating existing programs. Potomac has helped establish one of the most successful public education programs in the industry, and is known for the help they provide in training for speaking with the media, presentation skills, and risk communication.

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**RIZZO Associates**

[www.rizzoassoc.com](http://www.rizzoassoc.com)

RIZZO Associates specializes in all aspects of the civil engineering and earth sciences fields for the power generation and infrastructure markets. RIZZO operates world-wide on new build site selection and siting, seismic analysis, operating plant post-Fukushima recommendations implementation for seismic and flooding, structural analysis and environmental impact assessments.

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**Shearman & Sterling LLP**

[www.shearman.com](http://www.shearman.com)

Shearman & Sterling LLP is a provider of legal services with a dedicated, full-scope nuclear practice servicing the global nuclear industry. Combined with its world class project development and finance group, Shearman focuses on the procurement, construction and financing of nuclear new build projects.

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**United States Nuclear Infrastructure Council (NIC)**

[www.nuclearinfrastructure.org](http://www.nuclearinfrastructure.org)

The United States Nuclear Infrastructure Council (NIC) is the leading U.S. business consortium advocate for new nuclear energy and the engagement of the American supply chain globally. Composed of over seventy companies, NIC represents the “Who’s Who” of the civil nuclear supply chain community.

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**Westinghouse Electric Company, LLC**

[www.westinghousenuclear.com](http://www.westinghousenuclear.com)

Westinghouse Electric Company provides fuel, services, technology, plant design, and equipment for the commercial nuclear power industry. It is a leading supplier of nuclear plant products and technologies to utilities throughout the world. Its technology is the basis for approximately half of the world’s operating nuclear plants, including 60% of those in the United States, and 40% worldwide.